

## **ABSTRACT**

A closed heat-decomposing appliance involves a heating section with one side closed and the other side having common ground portion, screw portion or O-ring-mounted portion and a closed introducing section that allows to connect to this heating section and common ground portion, screw portion or O-ring via O-ring-mounted portion and has cock or valve as a mechanism for closing and introducing absorbing liquid to absorb the testing components from outside after heat-decomposition, or has packing or septum to introduce the absorbing liquid with needle pipe as well, and a pretreatment method of a sample using this appliance. The appliance is useful as a closed heat-decomposing appliance for the pretreatment method, on accurate quantitative determination or detection of the testing components in the sample, which requires no combustion assistant, which is not obstructed by ash present in sample absorbing the testing components, which requires no complicated and dangerous procedures, which can be used repeatedly, and which allows to inject the absorbing liquid after heat-decomposition.